

ASD-NIB Analog Signal & Discrete Non-Incendive Barrier interface

- Class 1, Division 2 Barrier
- Provides non-incendive isolation for analog and discrete signals
- Eliminates need for explosion proof enclosures
- Eliminates costly wiring
- DIN rail mountable housing
- Internal thermal fuse
- LED indicator warns of a fault condition
- CSA



MODEL	NIB-TA25mA-1X
Type	Analog Signal & Discrete NIB
Wire Size	24-12 AWG
Voltage Output	24 VDC
Amperage Output	35 mA
Width	6.2 mm
Approvals	

	Part Number Model Number	Std. Pack	Part Number Model Number	Std. Pack	Part Number Model Number	Std. Pack	Part Number Model Number	Std. Pack
1 channel ASD-NIB	34.243.0030.0	1						

Mechanical	
Housing Material	Self-extinguishing polyamide
Degree of Protection	IP20
Temperature Range	-40°C to +75°C
Temperature Code	T3C (160°C)
Electrical	
Input Voltage Range	5 - 30 VDC
Maximum Input Voltage	36 VDC
Maximum Output Voltage	24 VDC
Input Current	5 - 37 mA
Nominal Output Current	25 mA
Maximum Output Current	35 mA
4..20mA insertion loss	0.1 mA
Wire Gage	24 - 12 AWG
Internal Resistance	47 ohms
Field Wiring (Recommended)	
Max. Cable Inductance	Group A — 25 µH/Ω 0.27 µF
Max. Loop Capacitance	Group B — 25 µH/Ω 0.27 µF
	Group C — 60 µH/Ω 0.81 µF
	Group D — 200 µH/Ω 2.16 µF
Indicators	
	Green - Normal Operation
	Amber - Fault Condition
Fault Condition	
	Amber light typically indicates a ground fault on the output.
	At 45 VDC the fault light will illuminate (even with no output connected)
	If the temperature rises above 75°C a thermal fuse will open the output.

